



17364 US PTO

17302 U.S. PTO  
10743987

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 42P17667

First Inventor Neil J. Bershad, et al.

Title DUAL ADAPTIVE FILTER APPARATUS AND METHOD

Express Mail Label No. EL 981993269 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:  
Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 31]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 4]
5. Oath or Declaration (unsigned) [Total Pages 5]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 18 completed)
    - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76
7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies
9.  Assignment Papers (cover sheet & document(s))
10.  37 C.F.R. § 3.73(b) Statement  Power of Attorney (when there is an assignee)
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment  Application Amended to Reflect Claim of Priority
14.  Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: Express Certificate of Mailing

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_

Prior application Information: Examiner \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**18. CORRESPONDENCE ADDRESS** Customer Number

08791

or  Correspondence address below

|                   |  |                                   |                |               |
|-------------------|--|-----------------------------------|----------------|---------------|
| Name              | Brent E. Vecchia<br>Blakely, Sokoloff, Taylor & Zafman LLP |                                   |                |               |
| Address           | 12400 Wilshire Boulevard, 7th Floor                        |                                   |                |               |
| City              | Los Angeles  | State                             | California     | Zip Code      |
| Country           | USA  | Telephone                         | (303) 740-1980 | Fax           |
| Name (Print/Type) |  | Registration No. (Attorney/Agent) |                | 48,011        |
| Signature         |  | Date                              |                | DEC. 31, 2003 |

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$ 1,018.00)

## Complete if Known

|                      |                 |
|----------------------|-----------------|
| Application Number   |                 |
| Filing Date          |                 |
| First Named Inventor | Neil J. Bershad |
| Examiner Name        |                 |
| Group/Art Unit       |                 |
| Attorney Docket No.  | 42P17667        |

## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None  
 Deposit Account

Deposit Account Number **02-2666**Deposit Account Name **Blakely, Sokoloff, Taylor & Zafman LLP**

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity |          | Small Entity |          | Fee Paid               |
|--------------|----------|--------------|----------|------------------------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |                        |
| 1001         | 770      | 2001         | 385      | Utility filing fee     |
| 1002         | 340      | 2002         | 170      | Design filing fee      |
| 1003         | 530      | 2003         | 265      | Plant filing fee       |
| 1004         | 770      | 2004         | 385      | Reissue filing fee     |
| 1005         | 160      | 2005         | 80       | Provisional filing fee |
| SUBTOTAL (1) |          | (\$ 770.00)  |          |                        |

## 2. EXTRA CLAIM FEES

| Total Claims |       | Extra Claims | Fee from below | Fee Paid   |
|--------------|-------|--------------|----------------|------------|
| 29           | - 20* | = 9          | X 18.00        | = \$162.00 |
| 4            | - 3*  | = 1          | X 86.00        | = \$86.00  |
|              |       |              |                |            |

| Large Entity |          | Small Entity |          | Fee Description   |
|--------------|----------|--------------|----------|---|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |   |
| 1202         | 18       | 2202         | 9        | Claims in excess of 20                                    |
| 1201         | 86       | 2201         | 43       | Independent claims in excess of 3                         |
| 1203         | 290      | 2203         | 145      | Multiple Dependent claim, if not paid                     |
| 1204         | 86       | 2204         | 43       | **Reissue independent claims over original patent         |
| 1205         | 18       | 2205         | 9        | **Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2) |          | (\$ 248.00)  |          |   |

\*\*or number previously paid, if greater. For Reissues, see below

## 3. ADDITIONAL FEES

| Large Entity        | Small Entity | Fee Description | Fee Paid  |
|---------------------|--------------|-----------------|---|
| Fee Code            | Fee (\$)     | Fee Code        | Fee (\$)  |
| 1051                | 130          | 2051            | 65 Surcharge - late filing fee or oath  |
| 1052                | 50           | 2052            | 25 Surcharge - late provisional filing fee or cover sheet.                    |
| 2053                | 130          | 2053            | 130 Non-English specification   |
| 1812                | 2,520        | 1812            | 2,520 For filing a request for ex parte reexamination                         |
| 1804                | 920*         | 1804            | 920* Requesting publication of SIR prior to Examiner action                   |
| 1805                | 1,840*       | 1805            | 1,840* Requesting publication of SIR after Examiner action                    |
| 1251                | 110          | 2251            | 55 Extension for reply within first month                                     |
| 1252                | 420          | 2252            | 210 Extension for reply within second month                                   |
| 1253                | 950          | 2253            | 475 Extension for reply within third month                                    |
| 1254                | 1,480        | 2254            | 740 Extension for reply within fourth month                                   |
| 1255                | 1,210        | 2255            | 605 Extension for reply within fifth month                                    |
| 1404                | 330          | 2401            | 165 Notice of Appeal  |
| 1402                | 330          | 2402            | 165 Filing a brief in support of an appeal                                    |
| 1403                | 290          | 2403            | 145 Request for oral hearing  |
| 1451                | 1,510        | 2451            | 1,510 Petition to institute a public use proceeding                           |
| 1452                | 110          | 2452            | 55 Petition to revive - unavoidable   |
| 1453                | 1,330        | 2453            | 665 Petition to revive - unintentional  |
| 1501                | 1,330        | 2501            | 665 Utility issue fee (or reissue)  |
| 1502                | 480          | 2502            | 240 Design issue fee  |
| 1503                | 640          | 2503            | 320 Plant issue fee   |
| 1460                | 130          | 2460            | 130 Petitions to the Commissioner   |
| 1807                | 50           | 1807            | 50 Processing fee under 37 CFR 1.17(q)  |
| 1806                | 180          | 1806            | 180 Submission of Information Disclosure Stmt                                 |
| 8021                | 40           | 8021            | 40 Recording each patent assignment per property (times number of properties) |
| 1809                | 770          | 1809            | 385 Filing a submission after final rejection (37 CFR § 1.129(a))             |
| 1810                | 770          | 2810            | 385 For each additional invention to be examined (37 CFR § 1.129(b))          |
| 1801                | 770          | 2801            | 385 Request for Continued Examination (RCE)                                   |
| 1802                | 900          | 1802            | 900 Request for expedited examination of a design application                 |
| Other fee (specify) |              |                 |   |

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

## SUBMITTED BY

Complete (if applicable)

|                   |                         |                                   |        |           |                |
|-------------------|-------------------------|-----------------------------------|--------|-----------|----------------|
| Name (Print/Type) | Brent E. Vecchia        | Registration No. (Attorney/Agent) | 48,011 | Telephone | (303) 740-1980 |
| Signature         | <i>Brent E. Vecchia</i> |                                   |        | Date      | Dec. 31, 2003  |

Application No.: Filing Date: Docket #: 42390.P17667

Date Mailed: 12/31/2003 Due Date(s): \_\_\_\_\_

Client: INTEL CORPORATION Atty/Sec: BEV/kam

Title: DUAL ADAPTIVE FILTER APPARATUS AND METHOD

First Named Inventor: Neil J. Bershad

*The following has been received in the U.S.P.T.O. on the date stamped hereon:*

Application: Utility (31 pages with cover & abstract)

Declaration & POA (5 pgs)(unsigned)

Drawings: 4 sheets, 4 figures

Express Mail No.: EL 981993269 US

Fee Transmittal (original & copy)

Transmittal Letter

Check No. 4130 in the amount of \$1018.00

Postcard

Assignee: Intel Corporation

EL 981993269 US

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EXPRESS MAIL CERTIFICATE OF MAILING

“Express Mail” mailing label number: EL 981993269 US

I hereby certify that I am causing the above-referenced correspondence to be deposited with the United States Postal Service “Express Mail Post Office to Addressee” service on the date indicated below and that this paper or fee has been addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-450

December 31, 2003

Date of Deposit

Krista Mathieson

Name of Person Mailing Correspondence

Krista Mathieson December 31, 2003

Signature

Date